

W/10

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

#5
FLUNKER
12/17/83

Application Serial Number: 09/417,522

Art Unit / Team No. : 1643

Date Processed by STIC: 3/29/2000

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THE ATTACHED PRINTOUT EXPLAINS THE **ERRORS DETECTED**.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/4/95 2

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (x) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.
- 8 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS: (Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.
- 12 Use of <220>Feature (NEW RULES) Sequence(s) are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

PAGE: 1

RAW SEQUENCE LISTING PATENT APPLICATION US/09/417,522

DATE: 03/29/2000
TIME: 13:13:10

Input Set: I417522.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

pg 5, 3, 4

1 <110> APPLICANT: Nehls, Michael Does Not Comply
2 Zambrowicz, Brian Corrected Diskette Needed
3 Sands, Arthur T.
4 <120> TITLE OF INVENTION: NOVEL HUMAN POLYNUCLEOTIDES AND THE POLYPEPTIDES
5 ENCODED THEREBY
6 <130> FILE REFERENCE: 008535-0027-999
7 <140> CURRENT APPLICATION NUMBER: US/09/417,522
8 <141> CURRENT FILING DATE: 1999-10-13
9 <160> NUMBER OF SEQ ID NOS: 503
10 <170> SOFTWARE: FastSEQ for Windows Version 3.0
11 <210> SEQ ID NO 1
12 <211> LENGTH: 40
13 <212> TYPE: DNA
14 <213> ORGANISM: Synthetic *see item 12 (cited parties) on Ena Summary Sheet*
15 <400> SEQUENCE: 1 *inhibitory response. The only valid response are: Artificial, Unknown, Or Scientific Name (Genus/Species)*
16 tggctaggcc ccaggatagg cctcgctggc cttttttttt
17 <210> SEQ ID NO 2
18 <211> LENGTH: 24
19 <212> TYPE: DNA
20 <213> ORGANISM: Synthetic
21 <400> SEQUENCE: 2
22 gccatggctc cggtaggctc agag 24
23 <210> SEQ ID NO 3
24 <211> LENGTH: 19
25 <212> TYPE: DNA
26 <213> ORGANISM: Rattus Norvegicus
27 <400> SEQUENCE: 3
28 tggctaggcc ccaggatag 19
29 <210> SEQ ID NO 4
30 <211> LENGTH: 19
31 <212> TYPE: DNA
32 <213> ORGANISM: Synthetic
33 <400> SEQUENCE: 4
34 gtccagagat ggccatagc 19
35 <210> SEQ ID NO 5
36 <211> LENGTH: 18
37 <212> TYPE: DNA
38 <213> ORGANISM: Synthetic
39 <400> SEQUENCE: 5
40 ccaggatagg cctcgctg 18
41 <210> SEQ ID NO 6
42 <211> LENGTH: 23
43 <212> TYPE: DNA
44 <213> ORGANISM: Bacteria Phage Lambda

Please correct any subsequent sequences containing this error,

5	<400>	SEQUENCE: 6	
46		tacagttttt cttgtgaaga ttg	23
47	<210>	SEQ ID NO 7	
48	<211>	LENGTH: 19	
49	<212>	TYPE: DNA	
50	<213>	ORGANISM: Bacteria Phage Lambda	
51	<400>	SEQUENCE: 7	
52		gggtagtccc cacccttttg	19
53	<210>	SEQ ID NO 8	
54	<211>	LENGTH: 20	
55	<212>	TYPE: DNA	
56	<213>	ORGANISM: Mus Musculus	
57	<400>	SEQUENCE: 8	
58		tccaagtctt gccatctcac	20
59	<210>	SEQ ID NO 9	
60	<211>	LENGTH: 277	
61	<212>	TYPE: DNA	
62	<213>	ORGANISM: Homo sapiens	
63	<400>	SEQUENCE: 9	
64		gtgttgtgct gatgcaggag acaaccgcga agatggggac agaatcagta acatcgacgt	60
65		aagggaattg aagcagaaga tcacgcgtgcc tgcagacacc aggaaacgcc aagaccccc	120
66		ttccacgaac caacattctt ccaccctctc caactttttt ctggaacccc ttcaactcca	180
67		accgcctact aatgtacact tcactttctc gtgctctctc taagagagta gtgttttctt	240
68		cctccccacc gagaaaaaaa ataaaagcaa caactgg	277
69	<210>	SEQ ID NO 10	
70	<211>	LENGTH: 434	
71	<212>	TYPE: DNA	
72	<213>	ORGANISM: Homo sapiens	
73	<400>	SEQUENCE: 10	
74		cgctcatgttc ctgcaaaag aaaaataagg aaaaaatctg aaaaacattg aagactcatg	60
75		accctacttta aaaacataat tggatacatc acatgaactc aagaccatga ctatggagga	120
76		agattttaaca cttggcaact cttacaacaa caacaacagc aacagggaaa aacaacaaca	180
77		acaacaacgc aagagtgc aaagaactaa tgcattctct aggtaagcct ggatggagcc	240
78		ttctaagacct acacggatgt ctgagattcc agggaaagtgc cctgtgatct gtccagtaaac	300
79		aaataagaag ctaatacagc ttgtgtgtgt tttctgattg gcattggtct ggaacttatct	360
80		cctacttgta gttgcagaca aatgaaacagg agatgaatta ccattgttcta tgactttgtg	420
81		ttcctttcca attc	434
82	<210>	SEQ ID NO 11	
83	<211>	LENGTH: 407	
84	<212>	TYPE: DNA	
85	<213>	ORGANISM: Homo sapiens	
86	<400>	SEQUENCE: 11	
87		gttcacaaca gtgttatggc gggagcaggg aggcacctac atccattgga cccatcctga	60
88		cagctgggaa ggatgtgtcc agccaccagc ggatgtgcac ctggcaccca cctcacaaCa	120
89		ctgtgttctaa ccacgtaaga agcacaaagg tcaccggtta ctctccatga gaacaaaagg	180
90		ccaaggatgc agagataaatt gcatcaaaag gattcaactt cctggatgac cttactccaa	240
91		agaatctggac agcccagata agcatccagc ggttctggca gaggggcccc ccaggggacag	300
92		gaagctggaga ggaagccgcg tttccgtgtt tgtactcgcct tccttgggaa ggaatgagaa	360
93		cctgtggcca tcaagtcatt atgccccatc tttctgaaac gaaaaa	407
94	<210>	SEQ ID NO 12	

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/417,522
DATE: 03/29/2000
TIME: 13:13:10

Input Set: I417522.RAW

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95 <211> LENGTH: 200
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 12
99 gaggagaact ggtggcttta taagaagagg aagagagacc aaagcatagc atgtcagcat 60
100 gccagctccc ctctccacgc tataccctgt gccacctcca gacacttcag agaccaggaa 120
101 taaggccctc accgaagtg cccctcaat ctggaacttc ctatcctcca tggctgtaag 180
102 gaataaatcc cttttctttc
103 <210> SEQ ID NO 13
104 <211> LENGTH: 128
105 <212> TYPE: DNA
106 <213> ORGANISM: Homo sapiens
107 <400> SEQUENCE: 13
108 atgaaggaaa agaggagaa gaaaccagct gcttgaaga ctgacctctc gagatgctct 60
109 ggagccgtgc agttgtttct actggcagat cagtctctgc cctccaataa aagagagggt 120
110 gatcttgg
111 <210> SEQ ID NO 14
112 <211> LENGTH: 142
113 <212> TYPE: DNA
114 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 14
116 ctgaagacaa agaactcttt agatagtgga gtcacactgg aaaaagcaca gacccttgag 60
117 tgtactgctt ggaggagagc taccctggag catttgctcc agattctgca tgagcaaaaa 120
118 ataaactttt gctgcataaa gt 142
119 <210> SEQ ID NO 15
120 <211> LENGTH: 149
121 <212> TYPE: DNA
122 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 15
124 acacttaatc tgggtttcct gaggtcgacc tattggaata tcttgcgtga gaccagctat 60
125 acaagatgtg aacattcctc attatgaggc tgaatgtaa ataccttcatt ttataatgaa 120
126 gaaagtcagt aaacaattt ccagccccag 149
127 <210> SEQ ID NO 16
128 <211> LENGTH: 166
129 <212> TYPE: DNA
130 <213> ORGANISM: Homo sapiens
131 <400> SEQUENCE: 16
W--> 132 gaagaagaa ctttccctnn catgagaccg ctgtggggat ctggcaactg gtttccctga 60
W--> 133 tgcaaacact ggtctggggg tgctctgggg gacaataccc ctttccgtgt ctggggaain 120
W--> 134 gccctcttca aaaaaactga ggggttgaa aaaccagtaa accctc 166
135 <210> SEQ ID NO 17
136 <211> LENGTH: 113
137 <212> TYPE: DNA
138 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 17
W--> 140 accctgatna ngagaccagc tgaggcgaat tatgagtc aaataattat ccaaagatc 60
141 attttaccgt aaagttagtt ctgaatgtac acgaaatggt tagaaattaa att 113
142 <210> SEQ ID NO 18
143 <211> LENGTH: 250
144 <212> TYPE: DNA

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Please Note:

Explanations of n's and/or Xaa's have been either missing from or incorrectly located in the <220> - <223> section of Sequence Listing. Please review the Sequence Listing to ensure that a correct location and explanation are presented in the <220> to <223> fields of each sequence presenting at least one n or Xaa.

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/417,522

DATE: 03/29/2000
TIME: 13:13:10

Input Set: I417522.RAW

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145 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 18
W--> 147 - cttctnctga agaatagagaa caactgccag ccctttgcct atgttatcac ctggaataaa 60
W--> 148 ctggatgtgt ctnaatggaa cctgcctcct ttgggggagcg cataactcccg ccaggtcacc 120
149 acagccacca tgaccacctc atgcctccca tccacctgtt tcatataatt gtgcctggac 180
150 catcttcagt tttctggatg acatgggtga ggaggaggaa actcaggtaa atgataaagt 240
151 ttcgactatc 250
152 <210> SEQ ID NO 19
153 <211> LENGTH: 387
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 19
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158 agtctagcca actcctcttc cagcgccttg ataaacaacc cctctatgct gggaaccaca 120
159 gcagtggtgt gtttttctcc ctcatgcacc ccaggaagcc tctctctttt gctctgggctt 180
160 tcttcccaag gccttagctg ccaacccatt ttacacccat gcgaagccca gtcagtcacc 240
161 tgaagaaaaa gagactcaca gaaggcccaa gatgaaagac tctttaatcc tgtggctttt 300
162 tgagttttgt ttttagcagg aagaccttat tttcaaaaca aattgttaca cagaatttgc 360
163 cagtttacag aacagatgaa taaagac 387
164 <210> SEQ ID NO 20
165 <211> LENGTH: 216
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapiens
168 <400> SEQUENCE: 20
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W--> 170 cctgtgccag gctcttggat atgcatcaaa caaacccctc tgacacctct gacgggagca 120
W--> 171 tgtgaataac accgaataat cacaacaaat cctctctatc ataaagcctt gcngngagctg 180
W--> 172 gcactcgcaa atattttaa atantattaa acactg 216
173 <210> SEQ ID NO 21
174 <211> LENGTH: 541
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 21
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180 cctgagtaag ctccggatga agttatcccc aatcaaccca ccaggtgatt ctgaagccaa 180
181 taatttggtc cttggaagtt tgtgctgtat ggaaaaaaat caccctcttt ggcctgacatc 240
182 tgttttgctg gtaacacaaa tgcaacttat taatcatctc tgggtaagca agaaatgtaa 300
183 tctgaaaaat gccttacaa agaaaaatctt ggaagataag acogtaacac taataacgcct 360
184 ctccagatgc cttaggaaca tccccaaagca gtaacagata aagtcctctc ataggattct 420
W--> 185 tggctatggt taagttttct atagaaaaaa ataaaaatac naaacncaaa aaaaaaagg 480
W--> 186 gcccgngggg ccaattcagn ttggacttaa ccaggctgaa ctngttaaaa aggggggggg 540
187 g 541
188 <210> SEQ ID NO 22
189 <211> LENGTH: 492
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapiens
192 <400> SEQUENCE: 22
W--> 193 gacgtctggg gagctcctgc nttaagtnaa acnngaggtt ttngtnngcc ccagnaaaan 60
W--> 194 nngantcggc canaccnnaa aaaatcccan cctcaccagg agatgacagc tgacctgggtg 120

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PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/417,522
DATE: 03/29/2000
TIME: 13:13:10

Input Set: I417522.RAW

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195      ggccctcacc agggcataca gctttccag ctagcaaa aacaagccct ggctcacagcg 180
W--> 196      gttatagctg gctcatggct gctcacagac actctgggca tgcattcccg tgacttanaa 240
197      aagagaggcg ctttggaaac tgccagtgct gtctgtgat tgtgagggtg ctggaacctg 300
198      gggccccatg gccctccac accagcatgg tgctctgcaa aggcacagctg ctcttcaccc 360
199      tgtctcaatg atacacagtt ttttcccca aaactttagt agcgccactc tcctatcac 420
W--> 200      tgcgtcttta attttgcctc ttattgntcc ttanattaaa aaatatcctc ctttcatngg 480
201      agggttggac ct
202      <210> SEQ ID NO 23
203      <211> LENGTH: 273
204      <212> TYPE: DNA
205      <213> ORGANISM: Homo sapiens
206      <400> SEQUENCE: 23
207      gctctgagtc aatacaagta gggaagtcca actggttccc tgggtgttca tctctggttg 60
208      gagagctgtt tgggagctcg ggaaggtcca ttagaagcat aattctatcc cagaggtggc 120
209      ttggcagatg gagcatatca tgggttaatt tctcagcatg tcacagaaa caattctcat 180
210      tagacctgaa gaaagtggct tctctcttaa cagaattgta tctttttcta gagagtaata 240
211      tgtttttatt aaataaaaag catctaatag tac 273
212      <210> SEQ ID NO 24
213      <211> LENGTH: 495
214      <212> TYPE: DNA
215      <213> ORGANISM: Homo sapiens
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218      ccagccctga acaaagatcc ctgtcaccaa gatccactgc tctgtctgtg gtcaggcaaa 120
219      gagaagggtta tgtctctga gttctagtgc tccgtctcga agtccatgta atgtgagtta 180
220      caagccgtct cgagaggtga gcattcgact ctggccagct caagtatttc ggcaaggtgt 240
221      gattgtccag tcttgaggct gtttgctggg agaagcacga catagctat tgccagtgcc 300
222      aaggagaaac atcctaataa gactgacagc cctgcccaa tgacatggca tgaataatga 360
W--> 223      caccctgactg aatgaanctg acccttgagg taggcacttg anctnttca aaaaaaagg 420
W--> 224      gagggaccag ccncaganga ggcattggatc caaacttttg ggaactccan aaatgtgtga 480
225      agtgactcct tcttt
226      <210> SEQ ID NO 25
227      <211> LENGTH: 468
228      <212> TYPE: DNA
229      <213> ORGANISM: Homo sapiens
230      <400> SEQUENCE: 25
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232      tgcgttactt ctgtgtatga ataaattaat gttctgtttg aaacatcagt ctaaggagga 120
233      agagaatgta catgcagata gcccttctat cgacctctat aaccaagacg gcaagcttta 180
234      tgaaggagga gatgctgct cattacaag agccaaaagc agtgttccct accctttggc 240
235      tggagggattt gccatgcag ataaactata tactatcatg tccctagaga agacatcata 300
236      ttcatcttgg ttttctcga gtaaaattta gtgcgtgat accatttggg tattcattaa 360
W--> 237      tatttatcac acnaaggaat taaatgggtc tcccgaaact ggcnttaacc tccctgctaa 420
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239      <210> SEQ ID NO 26
240      <211> LENGTH: 176
241      <212> TYPE: DNA
242      <213> ORGANISM: Homo sapiens
243      <400> SEQUENCE: 26
      gatcatgaat ggaatgacac actctgaacc gaagagacct tacagatcat ctagtctcc 60

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

JFYI

Input Set: I417522.RAW

Line	Error/Warning	Original Text
132	W "N" or "Xaa" used: Feature required	gaagaagaan ctncctcnnc catgagacgc ctgtgggg
133	W "N" or "Xaa" used: Feature required	tgcaaacant ggtctggncg tgcctgggcn gacaatac
134	W "N" or "Xaa" used: Feature required	gccnccttta aaaaaactga ngngnttgaa aaacaggt
140	W "N" or "Xaa" used: Feature required	acctgatna ngagaccagc tgaggcgaaat tatgagtc
147	W "N" or "Xaa" used: Feature required	ctctcnccta agaagtgaac cacttgcacg ccctttgc
148	W "N" or "Xaa" used: Feature required	ctggatgtgt ctnaatggaa cctgcctcct ttggggag
169	W "N" or "Xaa" used: Feature required	gcctaactgn tncaggagtg tctgcttgca tggacacc
171	W "N" or "Xaa" used: Feature required	tgtgaataac accgaataat cacaaacaat cctctca
172	W "N" or "Xaa" used: Feature required	gcactcgcaa atattttaat aantatttaa acactg
178	W "N" or "Xaa" used: Feature required	ngtaatnag gnggangccc cctgggtgag gaactgac
185	W "N" or "Xaa" used: Feature required	tggctatgtt taagtttctc atagaaaaaa aaaaaata
186	W "N" or "Xaa" used: Feature required	gcccgngggg ccaattcagn ttggacttaa ccagcgctg
193	W "N" or "Xaa" used: Feature required	gacgtctggg gagctcctgc nttaagtnaa acnngagg
194	W "N" or "Xaa" used: Feature required	nnngantcgg canaccnnaa aaaaatccan cctcacca
196	W "N" or "Xaa" used: Feature required	gttatagctg gctcatggtc gctcacagac actctggg
200	W "N" or "Xaa" used: Feature required	tgtcttttta attttggccc ttattgntcc ttanatta
223	W "N" or "Xaa" used: Feature required	cacctgactg aatgaanctg accttgtagt taggcaact
224	W "N" or "Xaa" used: Feature required	gagggagaccg ccnaganga ggcacggatc caaatctt
224	W "N" or "Xaa" used: Feature required	tatttatcac acnaaggaaat taagtgggtc tcccgaa
237	W "N" or "Xaa" used: Feature required	gggggggctt ccttncctta gtccgaactg ggggggga
259	W "N" or "Xaa" used: Feature required	gtggggttgn ggaacttggc agccnttttt tttaacca
260	W "N" or "Xaa" used: Feature required	tncaaaaaaa tggaccttna cntngggcnc cntnttga
261	W "N" or "Xaa" used: Feature required	ggggccnttg gaccttaaaag gnaactaaaat ggncaagg
262	W "N" or "Xaa" used: Feature required	agtttgnccn ngctccccacc aggttttttg ntttttaa
263	W "N" or "Xaa" used: Feature required	aaaaaatctt tctctcaaaa agaccaaaaa ancncgat
264	W "N" or "Xaa" used: Feature required	cnnttttggg gtttaaaaaat tttaaaaaac aggnagga
265	W "N" or "Xaa" used: Feature required	ttcaagggtt tcaaaaaataa ataaaaacnc atttccat
266	W "N" or "Xaa" used: Feature required	gaagacattt aggcagcttc atgtcacctt gcacagat
277	W "N" or "Xaa" used: Feature required	caaacntnta agagagctta tgcctcccaa atctgttt
278	W "N" or "Xaa" used: Feature required	gtgggtagaa gatcctgaag ttggtcctgt cctccttt
286	W "N" or "Xaa" used: Feature required	ccctctctgag tggccaggac ctncaccttg cccacagg
315	W "N" or "Xaa" used: Feature required	cacctggctg ccagctggcc tgcccaactaa ttggagg
328	W "N" or "Xaa" used: Feature required	atcccccccc caggtcaaat aaacccacgc cccctcon
329	W "N" or "Xaa" used: Feature required	gatctgtaga gagacagcgg aggcaagagt acctggag
359	W "N" or "Xaa" used: Feature required	ccatcagccc tcatgccacg agaccatcgc caagttaa
372	W "N" or "Xaa" used: Feature required	gaaaacagaa gtctgtggtc angaagtctc tctttggg
380	W "N" or "Xaa" used: Feature required	tattgtaaaa atgaataact ataggctata gactggat
415	W "N" or "Xaa" used: Feature required	gngatgaaat tggggaggng ggcctttggga tgccacta
416	W "N" or "Xaa" used: Feature required	tacagaaaac tgagcgggtc anaacgttca tcttcatc
423	W "N" or "Xaa" used: Feature required	aaaccaagga cagacagntg tgagagcaag ctggcagc
424	W "N" or "Xaa" used: Feature required	ttctcagaaa tggctcacaa agaaacacaa aaaaagg
437	W "N" or "Xaa" used: Feature required	aaagtttccc tcnnaaaan gnaatggan cntntanc
438	W "N" or "Xaa" used: Feature required	cacggncntn ntantcggg taattnaaan agggncan
439	W "N" or "Xaa" used: Feature required	agggangttt tatattnccc atataaagan acaaatc
440	W "N" or "Xaa" used: Feature required	tnntnccaa tctttggcaa caagaggcca accggggg
441	W "N" or "Xaa" used: Feature required	aaaccttttg gngnganccc ttgtttggga ntggcaan
442	W "N" or "Xaa" used: Feature required	ggatttcaga cnaaatcag ggaattcttc cncoccaa
449	W "N" or "Xaa" used: Feature required	acctgactgt gtttttgca ttggnttat gagnetgt
451	W "N" or "Xaa" used: Feature required	gacgtctggg gagctcctgc nntanntnac actctgnn
468	W "N" or "Xaa" used: Feature required	ttttaaggga ttccataaca tggttgaatt atatcat
474	W "N" or "Xaa" used: Feature required	